

### **INTERVIEW SUMMARY BY APPLICANT**

At the outset, the Applicants acknowledge with appreciation the courtesy extended by the Examiner during the telephone interview conducted November 9, 2006. During the interview, the Applicants' representative set forth the following reasons for patentability. In the applied reference, the fluorescent material 8 is not taught as a single light-emitting dye molecule. In fact, since the applied reference teaches a display device, a person having ordinary skill in the art who had reviewed the applied reference would have been taught not to provide the fluorescent material 8 in that fashion.

In response, the Examiner said that the recitation of a single photon in the preamble could not be given patentable weight. When the Applicants' representative proposed amending the claim bodies to recite antibunching characteristics, the Examiner indicated that he was amenable to such a change, but that he would have to an updated search.

### REMARKS

The Office Action mailed August 9, 2006, has been carefully considered. In response thereto, the present application has been amended in a manner which is considered to place it into condition for allowance. Accordingly, reconsideration and withdrawal of the outstanding Office Action and issuance of a Notice of Allowance are respectfully solicited in view of the foregoing amendments and the following remarks.

At the outset, the Applicants acknowledge with appreciation the allowance of claims 64-126.

The Applicants respectfully submit that the formal drawings filed concurrently herewith overcome the objection to the drawings and that the amendment to claim 62 overcomes the rejection of claims 62 and 63 under 35 U.S.C. § 112, second paragraph.

Claims 1, 6, 8-10, 24-32, 38, 42, 43, and 127 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 4,556,287 (*Funada et al.*). For the reasons set forth below, the Applicants respectfully submit that the claims as amended are not anticipated by that reference.

The applied reference fails to teach or suggest a single light-emitting dye molecule or other, single fluorescence emitter exhibiting antibunching characteristics. In fact, the reference teaches away from such characteristics. Since the reference is directed to a display, the use of a single light-emitting dye molecule or other, single fluorescence emitter exhibiting antibunching characteristics would have been counterproductive and therefore non-obvious. Therefore, the Applicants respectfully submit that the present claimed invention is patentable over that reference.

Finally, since none of the applied secondary references overcome the above-noted deficiencies of *Funada et al*, the Applicants respectfully submit that all grounds of rejection under 35 U.S.C. § 103(a) are now moot.

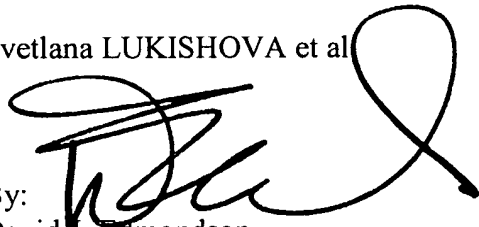
For the reasons set forth above, the Applicants respectfully submit that the application as amended is in condition for allowance. Notice of such allowance is earnestly solicited.

In the event there are any questions relating to this Amendment or to the application in general, it would be appreciated if the Examiner would telephone the undersigned attorney concerning such questions so that prosecution of this application may be expedited.

Please charge any shortage of fees or credit any overpayment thereof to BLANK ROME LLP, Deposit Account No. 23-2185 (000687-00315). In the event that a petition for extension of time is required to render the present submission timely and is either not filed concurrently herewith or insufficient to render the present submission timely, the Applicants respectfully petition under 37 C.F.R. § 1.136(a) for such an extension of time for as many months as are required to render the present submission timely. Any fee due is authorized above

Respectfully submitted,

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